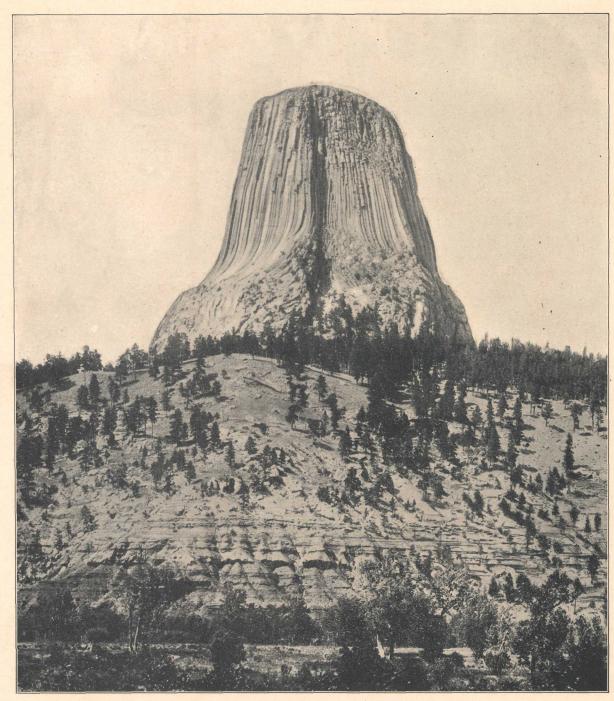
COLUMNAR SECTION

		in dis		in de Codes de Extra estados		GENERALIZED SECTION FOR THE DEVILS TOWER QUADRANGLE. SCALE: 1 INCH = 500 FEET.	
SERIES	FORMATION NAME.	SYMBOL.	THICKNESS IN FEET.	SECTION.	DEPTH TO TOP OF DAKOTA SAND- STONE.	CHARACTER OF ROCKS.	CHARACTER OF TOPOGRAPHY AND SOILS.
CRETACEOUS PPER CRETACEOUS	Fox Hills sandstone	Kfh	250		3600	Massive buff sandstone, mostly soft.	Rolling hills and rounded ridges. Sandy soil with good grass.
					3400		
	Pierre shale.	Кр	o 1500		2800	Soft, dark-gray shale and clay with oval concretions. Wide plains with shallow valleys. Thin clayey and not very fertile soil, supporting fair growth of	
		*			2400 2400 2200		
	Niobrara formation.	Kn	80–120		2000	Light-gray limy shale; weathers straw color.	Shale slopes. Limy soil.
	Carlile formation.	Kcr	620		1800 1600 1400	Gray shale with oval concretions and thin sandstone.	Rolling hills with thin clay soil, mostly covered with grass.
D	Greenhorn formation.	Kg	60-80			Shale with impure concretionary limestone.	Small bare ridges.
	Graneros shale.	Kgr	1250	- (1200 1000 800 600 400	Black shale with concretions.	Wide valleys containing extensive alluvial deposits.
	(Mowry member.)	(Kmr)		William Company of the Company of th	200	Hard gray shale containing many fish scales. Massive sandstone. Gray to black shale with small concretions.	Bare shaly ridges, partially wooded. Valleys with clay soil and "badlands"
	Dakota sandstone.	Kd	70-160	(0	Gray to buff sandstone, mostly very massive; weathers reddish brown.	Plateaus, canyons, and high cliffs with rocky slopes. Thin sandy soil.
я,	Fuson formation.	Kf	50-100			Shale and sandy shale with local sandstone.	Slopes below cliffs of Dakota sandstone.
LOW	Lakota sandstone.	KIk	25-50	eservacione de la companya della companya della companya de la companya della com		Light-colored, coarse, massive sandstone.	Canyons with steep cliffs. Thin sandy soil.
TACEOUS URASSIC	Morrison shale. Sundance formation.	Km	40–160 340			Massive, pale greenish-gray to maroon shale with limestone nodules. Yellowish, soft sandstone (Unkpapa?). Greenish-gray shale with thin limestones, reddish near base. Massive, buff, ripple-marked sandstone. Dark-gray shale.	Steep slopes below cliffs of Dakota sandstone. Long, gentle slopes, mostly sodded.
	Spearfish formation.	Tes	200+			Red sandy shale and soft red sandstone with gypsum deposits.	Wide valleys with rocky slopes. Soil thin and barren.





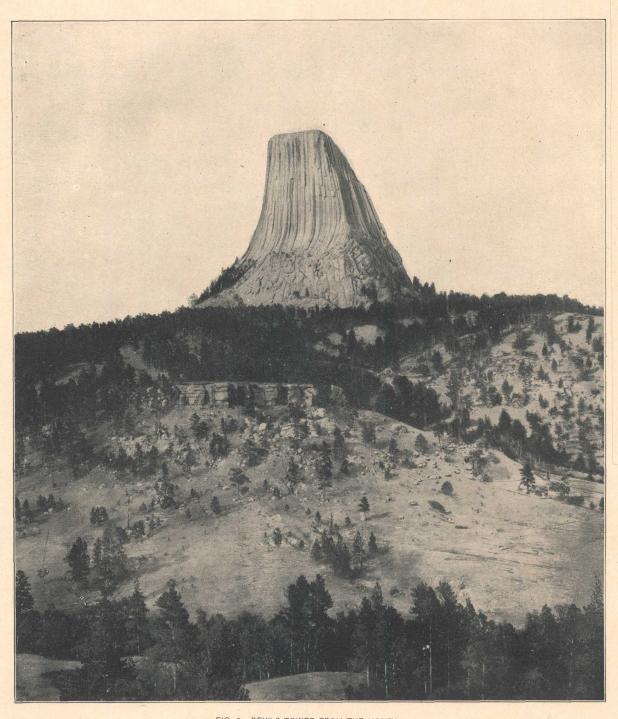


FIG. 2.—DEVILS TOWER FROM THE NORTH.

The slopes below are Sundance formation, the lower sandstone of which outcrops in the cliff near middle of view.